AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph located at pg. 47, ln. 29 - pg. 48, ln. 19 with the following paragraph.

Figure 7 shows the results of the first constant current cycling at 0.2 milliamps per square centimeter between about 2.5 and 4.0 volts based upon about 16 milligrams of the LiFe_{0.8}Mg_{0.2}PO₄ active material in the cathode (positive electrode). In an as prepared, as assembled, initial condition, the positive electrode active material is LiFe_{0.8}Mg_{0.2}PO₄. The lithium is extracted from the LiFe_{0.8}Mg_{0.2}PO₄ during charging of the cell. When fully charged, about 0.79 units of lithium have been removed per formula unit. Consequently, the positive electrode active material corresponds to LiFe_{0.8}Mg_{0.2}PO₄ where x appears to be equal to about 0.79, when the cathode material is at 4.0 volts versus Li/Li⁺. The extraction approximately [[140]] 135 milliamp hours per gram corresponding to about 2.2 milliamp hours based on 16 milligrams active material. Next, the cell is discharged whereupon a quantity of lithium is reinserted into the LiFe_{0.8}Mg_{0.2}PO₄. The re-insertion corresponds to approximately 122 milliamp hours per gram proportional to the insertion of essentially all of the lithium. The bottom of the curve corresponds to approximately 2.5 volts. The total cumulative specific capacity over the entire cycle is 262 mAhr/g.